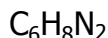


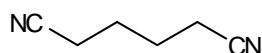
# DYTEK<sup>®</sup> Adiponitrile (ADN)

## Adiponitrile



### Product Description

DYTEK<sup>®</sup> Adiponitrile (ADN) is a high-purity, high boiling, liquid, aliphatic dinitrile.



### Applications

- Intermediate for hexamethylenediamine
- Adipoguanamine resins

### Typical Composition (wt %)

Adiponitrile	99.9
Water	0.05
Other Organics	0.2

### General Information

CAS Name	Hexanedinitrile
CAS Registry Number	111-69-3
Molecular Weight	108
Boiling Point, °C (°F)	295 (563)
Freezing Point, °C (°F)	2.3 (36.1)
Viscosity at 30°C (86°F), cP	5.8
Vapor Pressure, 40°C (104°F), mmHg	0.01
Vapor Pressure, 154°C (309°F), mmHg	10
Specific Gravity, 20°C (68°F)	0.965
Flash Point, cc, °C (°F)	163 (325)
Dipole Moment, 75°C (167°F), Debye	3.87
Solubility in Water, wt%, 20°C (68°F)	9
Solubility in Water, wt%, 102°C (215.6°F)	50
Heat (kcal/mol) of Formation, 25°C	39.3
Heats (Kcal/mole) of Fusion	
Heats (Kcal/mole) of Vaporization	

### Shipping

DOT/IMO Proper Shipping Name:	Adiponitrile
Hazard Class:	6.1
UN Number:	2205
Packaging Group:	III

### Packaging

	Net Weight (lbs/kg)
Railcar	175,000/79,400
Drums	400/181.44

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**For Samples and Information:**  
INVISTA™ Specialty Intermediates • (800) 231-0998  
[www.DYTEK.INVISTA.com](http://www.DYTEK.INVISTA.com)

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